2MP IR Dome Camera with 3.6mm Lens with Audio

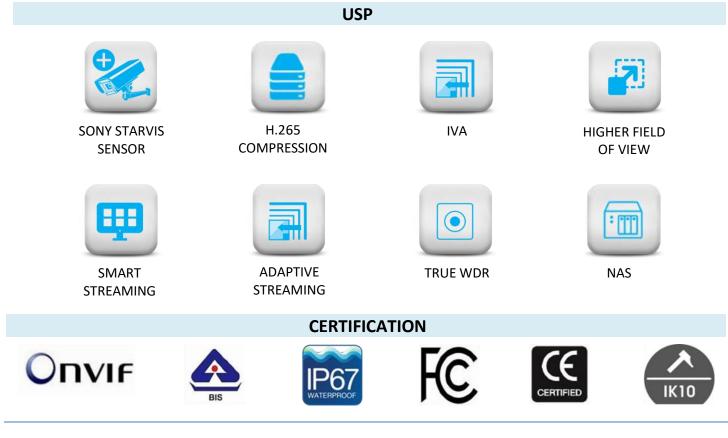
TELECOM | SECURITY





SATATYA MIDR20FL36CWP 2MP IR Dome Camera with 3.6mm Lens with Audio

Matrix Professional Series Dome IP Cameras are built using superior components such as Sony STARVIS sensor and high MTF lens to offer unmatched image quality especially during the low light conditions. Powered by True WDR algorithm, these cameras offer consistent image quality even in highly varying light conditions. Built in intelligent analytics including Motion Detection, Intrusion Detection, Trip Wire, etc. ensure real-time security. Moreover, H.265 compression and Automatic Motion based Frame Rate Reduction save bandwidth and storage up to 50%.



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www.MatrixComSec.com

2MP IR Dome Camera with 3.6mm Lens with Audio



| Resolution2 MP (1920 x 1080)Sensor Type and Size1/2.8° SONY - CMOS 2MP Active PixelProgressive Scan, Back Illuminated Image sensor (STARVIS Series)Progressive Scan, Back Illuminated Image sensor (STARVIS Series)Minimum IlluminationColor - 0.01 Lux @ F.1.2 (AGC ON)Minimum Illumination3.6mmFocal Length3.6mmFocus Range0.3m to infinityFocus Range0.3m to infinityFocus RangeDFOV - 44.4°Field of View (FOV)DFOV - 44.9°Lens MountM12FocusFixed focusAperture (F#)Fixed focusIn's TypeFixed focusIn's TypeFixed focusIn's TypeFixed focusIn's TypeFixed focusAdue OutUp to 30mIn's AdueSonmAudio NumIn-built MicrophoneAudio OUT1Audio CompressionSuportedAudio CompressionSuportedSDCardUp to 512GComera Adjustment AnglePan 0° to 330° Tit - 0° to 75° Roate - 0° to 180°Softeram Profiles4Monter Stream ProfilesProfile 1: 1920 x 1080 p@30fps (H.265/H.264) Profile 2: 1920 x 1080 p@30fps (M.265/H.264) Profile 2: 1920 x 1080 p@30fps (M.265/H.264) Profile 2: 1920 x 1080 p@30fps (M.265/H.264) Profile 2: 1920 x 1080 p@30fps (M.265/H.264)Audio Dut4Audio Compression4Audio CompressionFixed Fortile 2: 10 a@30fps (H.265/H.264) Profile 2: 1920 x 1080 p@30fps (M.265/H.264) Profi | TECHNICAL SPECIFICATIONS | | | |
|--|--------------------------|--|--|--|
| I/2.8" SONY - CMOS 2MP Active Pixel Sensor Type and Size Progressive Scan, Back Illuminated Image sensor (STARVIS Series) LENS Minimum Illumination Monochrome - 0 Lux Focal Length 3.6mm Focus Range 0.3m to infinity Field of View (FOV) DFOV - 87.5" VFOV - 44.4" YeroV - 44.4" Field of View (FOV) DFOV - 104.9" Lens Mount M12 Focus Fixed focus Aperture (F#) F 1.6 / F 2.0 Iris Type Fixed IR Ange Up to 30m IR Ange Up to 30m IR Audio IN In-built Microphone Audio OUT 1 Two-way Audio Supported Audio Compression G.726 and G.711µ Gamera Adjustment Angle Pan - 0° to 330° Tit - 0° to 75° Rotes Rot - 0° to 180° Tit - 0° to 75° Rotare - 0° to 180° Tit - 0° to 75° Rotare - 0° to 180° Tit - 0° to 75° Rotare - 0° to 180° Tit - 0° to 75° Rotare - 0° to 180° Tit - 0° to 75° Rotare - 0° to 180° Tit - 0° to 75° Rotare - 0° to 180° Tit - 0° to 75° Rotare - 0° to 180° Tit - 0° to 75° | | IMAGE SENSOR | | |
| Sensor Type and Size Progressive Scan, Back Illuminated Image sensor (STARVIS Series) LENS Minimum Illumination Monochrome - 0 Lux Focal Length 3.6mm Focus Range 0.3m to infinity Focus Range 0.3m to infinity Field of View (FOV) DFOV - 87.5° VFOV - 44.4° VFOV - 44.4° Field of View (FOV) DFOV - 104.9° Lens Mount M12 Focus Fixed focus Aperture (F#) F.1.6 / F 2.0 Iris Type Fixed focus Aperture (F#) S50nm IR Led Wavelength 850nm IR Led Wavelength 850nm Audio IN In-built Microphone Audio OUT 1 Two-way Audio Supported Audio Compression G.726 and G.711µ SD Card Up to 512GB Camera Adjustment Angle Pan - 0° to 330° Tit - 0° to 75° Tit - 0° to 75° No of Stream Profiles 4 No of Stream Profiles 4 Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: 1920 x 1080p @30fps (H.265/H.264) Profile 2: 1920 x 1080p @30fps (H.265/H.264) Profile 2: 1920 x 1080p @30fps (H.265/H.264) | Resolution | 2 MP (1920 x 1080) | | |
| LENS Minimum Illumination Color - 0.01 Lux @ F1.2 (AGC ON) Monochrome - 0 Lux Focal Length 3.6mm Focus Range 0.3m to infinity HFOV - 87.5° VFOV - 44.4° HFOV - 87.5° Field of View (FOV) DFOV - 104.9° Lens Mount M12 Focus Range Fixed focus Aperture (F#) F 1.6 / F 2.0 Iris Type Fixed focus Aperture (F#) F 1.6 / F 2.0 Ir Range Up to 30m IR Range Up to 30m IR Led Wavelength 850nm IR Switching Auto/ Manual Audio IN In-built Microphone Audio OUT 1 Two-way Audio Supported Audio Compression G.726 and G.711μ Carera Adjustment Angle Pan - 0° to 330° Tilt - 0° to 75° Rotate - 0° to 180° No of Stream Profiles 4 Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profiles Profile 3: 1920 x 1080p @30fps (H.265/H.264) Profile 3: 1920 x 1080p @30 | | 1/2.8" SONY - CMOS 2MP Active Pixel | | |
| Minimum IlluminationColor - 0.01 Lux @ F1.2 (AGC ON) Monochrome - 0 LuxFocal Length3.6mmFocus Range0.3m to infinityFocus Range0.3m to infinityField of View (FOV)DFOV - 87.5° VFOV - 44.4°Field of View (FOV)DFOV - 104.9°Lens MountM12FocusFixed focusAperture (F#)F 1.6 / F 2.0Iris TypeFixed focusIR RangeUp to 30mIR Led Wavelength850nmIR SwitchingAuto/ ManualAudio INIn-built MicrophoneAudio OUT1Two-way AudioSupportedAudio CompressionG.726 and G.711µSD CardUp to 512GBCamera Adjustment AnglePan - 0° to 330° Tilt - 0° to 75° Ricate - 0° to 180°No of Stream Profiles4Profile 1: 1920x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264/MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | Sensor Type and Size | Progressive Scan, Back Illuminated Image sensor (STARVIS Series) | | |
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| Lens MountM12FocusFixed focusAperture (F#)F 1.6 / F 2.0Iris TypeFixedIR RangeUp to 30mIR Led Wavelength850nmIR SwitchingAuto/ ManualAUDIO INTERFACEAudio INIn-built MicrophoneAudio OUT1Two-way AudioSupportedAudio CompressionG.726 and G.711μSD CardUp to 512GBCamera Adjustment AnglePan - 0° to 330° Tilt - 0° to 75° Rotare - 0° to 180°MAGE AND VIDEONo of Stream Profiles4Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1920 x 1080p @30fps (H.265/H.264/MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | Field of View (EOV) | | | |
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| AUDIO INTERFACEAudio INIn-built MicrophoneAudio OUT1Two-way AudioSupportedAudio CompressionG.726 and G.711μHARDWARE SPECIFICATIONSSD CardUp to 512GBCamera Adjustment AnglePan - 0° to 330° Tilt - 0° to 75° Rotate - 0° to 180°IMAGE AND VIDEONo of Stream Profiles4Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1920 x 1080p @5fps (MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | | | | |
| Audio OUT1Two-way AudioSupportedAudio CompressionG.726 and G.711μHARDWARE SPECIFICATIONSSD CardUp to 512GBCamera Adjustment AnglePan - 0° to 330° Tilt - 0° to 75° Rotate - 0° to 180°IMAGE AND VIDEONo of Stream Profiles4Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1920 x 1080p @5fps (MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | 5 | | | |
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| Audio CompressionG.726 and G.711μHARDWARE SPECIFICATIONSSD CardUp to 512GBCamera Adjustment AnglePan - 0° to 330° Tilt - 0° to 75° Rotate - 0° to 180°IMAGE AND VIDEONo of Stream Profiles4Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1920 x 1080p @5fps (MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | Audio OUT | 1 | | |
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| SD CardUp to 512GBCamera Adjustment AnglePan - 0° to 330° Tilt - 0° to 75° Rotate - 0° to 180°IMAGE AND VIDEONo of Stream Profiles4Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1920 x 1080p @5fps (MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | Audio Compression | G.726 and G.711µ | | |
| Camera Adjustment AnglePan - 0° to 330° Tilt - 0° to 75° Rotate - 0° to 180°IMAGE AND VIDEOO of Stream Profiles4Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1920 x 1080p @5fps (MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | HARDWARE SPECIFICATIONS | | | |
| Tilt - 0° to 75° Rotate - 0° to 180°IMAGE AND VIDEONo of Stream Profiles4Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1920 x 1080p @5fps (MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | SD Card | Up to 512GB | | |
| Rotate - 0° to 180°IMAGE AND VIDEONo of Stream Profiles4Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1920 x 1080p @5fps (MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | Camera Adjustment Angle | Pan - 0° to 330° | | |
| IMAGE AND VIDEONo of Stream Profiles4Profile 1: 1920 x 1080p @30fps (H.265/H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1920 x 1080p @5fps (MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | | | | |
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| Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1920 x 1080p @5fps (MJPEG) Stream Profiles Profile 4: 720p @30fps (H.265/H.264/MJPEG) | No of Stream Profiles | | | |
| Profile 3: 1920 x 1080p @5fps (MJPEG)Stream ProfilesProfile 4: 720p @30fps (H.265/H.264/MJPEG) | | | | |
| Stream Profiles Profile 4: 720p @30fps (H.265/H.264/MJPEG) | | | | |
| | Stream Profiles | | | |
| | | 1920 x 1080, 720p, D1, VGA,2CIF, CIF | | |

Customer Care: (+91) 265 613 7222

2MP IR Dome Camera with 3.6mm Lens with Audio



| Max Resolution | 1920 x 1080 | |
|---------------------|---|--|
| Bitrate | 128 kbps-8Mbps | |
| Bitrate Type | CBR, VBR | |
| Video Compression | H.265, H.264, MJPEG | |
| Frame Rate | 1-30fps | |
| Shutter Speed | 1/15s - 1/100000s | |
| Adaptive Streaming | Yes | |
| ONVIF Profiles | Profile S and G | |
| Edge Recording | Yes | |
| Alarm Recording | Pre and Post | |
| Motion Recording | Yes | |
| Time-Triggered | Yes | |
| Video Parameters | Snapshot, Region of Interest (ROI), BLC, Day/Night Settings | |
| Privacy Masks | 3 | |
| WDR | True WDR (120dB) | |
| SNR | 71dB | |
| Image Enhancement | Rotation/Saturation/ Contrast/ Sharpness/Brightness/Hue/ White Balance | |
| DNR | 2D &3D | |
| Video Analytics | Motion Detection, Tamper Detection, Trip/No TripDetection, Object Intrusion/Zone Intrusion, Audio Exception | |
| | ALERTS | |
| IP Conflict | Yes | |
| Network Disconnect | Yes | |
| Storage Full | Yes | |
| EVENTS AND ACTIONS | | |
| Upload Image | SD, NAS, FTP | |
| Upload Clip | SD, NAS, FTP | |
| Notifications | E-mail, SMS, TCP | |
| PROTOCOLS SUPPORTED | | |
| Supported protocols | TCP/IP, HTTP, ARP, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, HTTPS, TLS/SSL, FTP, ICMP, IGMP, 802.1x, SNMP, UPnP, Bonjour, UDP | |
| Web Viewer | Supported in IE 8.0-11.0, Firefox 15.0-47.0, Chrome 20.0-54.0 | |
| Browser | IE, Chrome, Mozilla | |

2MP IR Dome Camera with 3.6mm Lens with Audio



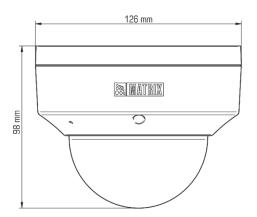
| CYBER SECURITY | | |
|-----------------------------------|--|--|
| Secure boot | Yes | |
| Signed firmware | Yes | |
| Data Encryption | All data, including sensitive data, is encrypted with AES 256 and RSA 2048 | |
| IP Address Filtering | Yes | |
| HTTPS Streaming | Yes, using TLS 2.0 | |
| Edge Data Encryption | Yes | |
| Network Authentication | Yes, 802.1x Network authentication | |
| Secure Firmware Upgrade | Yes | |
| Anti-roll back firmware | Yes | |
| Web login Password Protection | Yes | |
| Unused Debug Interface Protection | Yes | |
| OPERATING PARAMETERS | | |
| Power Supply | 12V (DC); 802.3af (PoE) | |
| Power Consumption | Approximately 5.5W | |
| Operating Humidity | Less than 95% RH (non-condensing) | |
| Operating Temperature | -30°C to 60°C | |
| Storage Temperature | -30°C to 60°C | |
| PHYSICAL PARAMETERS | | |
| Communication interface | 10Base-T/100BaseTX Ethernet (RJ-45) | |
| Weight | 740 grams | |
| Color | Infinity White | |
| Dimensions | Φ126mm x 98mm | |
| Storage | NAS, SD Card | |
| Certifications | BIS, CE, IP67, FCC Part-15 Subpart - B, ONVIF S & G, IK10 | |

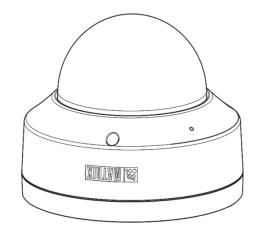
Specifications are subject to change without prior notice

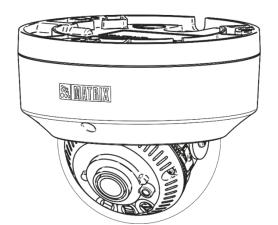
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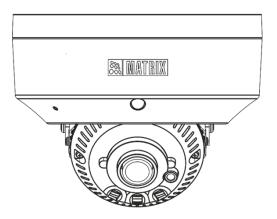


DIMENSIONS (in mm)









SATATYA MIDR20FL36CWP 2MP IR Dome Camera with 3.6mm Lens with Audio



ABOUT MATRIX

Established in 1991, Matrix is a leader in security and telecom solutions for modern businesses and enterprises. Matrix, an innovative, technology driven and customer focused organization, is committed to keep pace with the revolutions in security and telecom industries. With more than 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products such as Unified Communications, IP-PBX, Universal Gateways, Convergence, VOIP Gateways, GSM Gateways, IP Video Surveillance, Access Control and Time-Attendance. These solutions are feature-rich, reliable and conform to the international standards. Having global footprints in Europe, North America, South America, Africa and Asia through an extensive network of more than 1000 system integrators, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of customers representing the entire spectrum of industries. Matrix has won many national and international awards for its innovative products.



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